

Monday, November 07, 2016 4:07:48 PM

Page 1

Run	Start	*NR1*
	Stop	*NR2*

X2

DAS
27
9-89

NOV 29 2016

2x

DAS
26
9-89

DAS
28
9-89

NOV 29 2016

X3

DAS
27
9-89

NOV 29 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation		Disposition			
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
		OTHER : _____			

Work Order ID 152987

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152987

Page 2

Item ID: D412-760-015

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Cabin Floor Protector

Start Date: 11/1/2016 **Start Qty:** 2.00

?

Cust Item ID:

Required Date: 11/7/2016 **Req'd Qty:** 2.00

2

Customer:

Reference:

Run Start *NR1*

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

Stop *NR2*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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130

0.00

130

Packaging

0.00

Packaging

Memo

Packaging

Identify and pack for shipping as per PPP D412-760-015
Location:FG040

DAS 28
9-89

DAS 27
9-89

NOV 29 2016

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.03

Quality Control

DAS
21
9-89

~~NOV 29 2016~~

DAS
21
9-89

NOV 29 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By _____		
							Lead hand / Supervisor Approval Verification _____		
							QC / QA Coordinator Approval _____		

Root Cause				FAULT CATEGORY			
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____			
Misidentified	☐	Past Due	☐				

Picklist Print

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Page 1

Work Order ID: 152987

152987

Parent Item: D412-760-015

D412-760-015

Parent Item Name: Cabin Floor Protector

Start Date: 11/1/2016

Required Date: 11/7/2016

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP rev A 07.07.05 new issue EC
IPP Rev:B 08-08-20 revB as per dwg DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3574-5 *D3574-5* Cabin Floor Protector		Manufactured	No			110	Each	0.0000	1	2		DAS 6 NOV 28 2016 9-89	DAS 28 9-89
D3574-6 *D3574-6* Cabin Floor Protector		Manufactured	No			110	Each	0.0000	1	2		DAS 6 NOV 28 2016 9-89	DAS 28 9-89
D3575-5 *D3575-5* Cargo Floor Protector		Manufactured	No			110	Each	0.0000	1	2		DAS 6 NOV 28 2016 9-89	DAS 28 9-89
D3575-6 *D3575-6* Cargo Floor Protector		Manufactured	No			110	Each	0.0000	1	2		DAS 6 NOV 28 2016 9-89	DAS 28 9-89
D3580-1 *D3580-1* Joggle Bracket		Manufactured	No			110	Each	27.0000	6	12		DAS 6 NOV 28 2016 9-89	DAS 26 9-89
D3628-1 *D3628-1* Washer, Cupped		Manufactured	No			110	Each	142.0000	14	28		DAS 6 NOV 28 2016 9-89	DAS 26 9-89

Location	Loc Qty	Loc Code
ST043	27	
150957	3	
151636	24	

Location	Loc Qty	Loc Code
FG	10	
83587	10	
ST046	132	
149001	132	

NOV 29 2016

NOV 29 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause			FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence
Past Expiry Date	☐	Manufacturing Process	OTHER :							
Misidentified	☐	Past Due								

Picklist Print

Page 2

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Work Order ID: 152987

152987

Parent Item: D412-760-015

D412-760-015

Parent Item Name: Cabin Floor Protector

Start Date: 11/1/2016

Required Date: 11/7/2016

Start Qty: 2.00

Required Qty: 2.00

D3628-3 Manufactured No 110 Each 176.0000 6 12

D3628-3

Cupped Washer

DAS
26
9-89
2-89

Location

Loc Qty

Loc Code

ST046

176

148674

176

MS24694-S100

Purchased No

110

Each

110.0000

6

12

MS24694-S100

Flat Head Screw

NOV 29 2016

DAS
26
9-89
28
9-89

Location

Loc Qty

Loc Code

ST283

110

m135566

10

m135864

100

MS24694-S54

Purchased No

110

Each

198.0000

14

28

MS24694-S54

SCREW

NOV 29 2016

DAS
26
9-89
28
9-89

Location

Loc Qty

Loc Code

ST284

198

m135672

13

m135948

185

NAS1149D0363J

Purchased No

110

Each

1,164.000

28

56

NAS1149D0363.J

Washer

NOV 29 2016

DAS
26
9-89
28
9-89

Location

Loc Qty

Loc Code

GA

336

m134055

336

ST263

828

m135864

828

NOV 29 2016

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Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		

Root Cause				FAULT CATEGORY																																																											
Environment ☐	Design ☐	Doc/Data ☐	Equip/Tooling ☐	Handling/Pre ☐	Material ☐	Internal Transport ☐	Tribal Knowledge ☐	LOA ☐	Substation ☐	Past Expiry Date ☐	Misidentified ☐	No Re-verification ☐	Operator ☐	Offset/Setup ☐	Supplier ☐	Training ☐	Use for Testing ☐	Poor Information ☐	Rushing ☐	Product Improvement ☐	Process Improvement ☐	Manufacturing Process ☐	Past Due ☐	Pressure/Forced ☐	Bending ☐	Centre Not Concentric ☐	Cracks ☐	Crimp/Kink/Ripple/Wave ☐	Cuffs ☐	Crushing ☐	Heat Treat ☐	Wave/Twist in Tube ☐	Marks/Chatter ☐	Temperature/Cure ☐	Set-up ☐	BOM/Route ☐	Broken/Damage/Defect ☐	Inspection Incomplete/Unqualified ☐	Contamination ☐	Countersink ☐	Cut Too Short ☐	Instructions Incomplete/Unclear ☐	Drill Holes ☐	Power Loss/Surge ☐	Folio/Program ☐	Grain ☐	Weld ☐	Wrong Stock Pulled ☐	Out of Sequence ☐	Off-set ☐	Mislabeled ☐	Fit/Function ☐	Misaligned/off center ☐	Positioned Wrong ☐	Outside Dimensions ☐	Over/Under tolerance ☐	Part Incorrect ☐	Part Lost/Missing ☐	Part Moved ☐	Drawing ☐	Finish ☐	Misread ☐	Turning Sequence ☐
																								OTHER : _____																																							

Picklist Print

Monday, November 07, 2016 4:07:48 PM

Work Order ID: 152987

152987

Parent Item: D412-760-015

D412-760-015

Parent Item Name: Cabin Floor Protector

Start Date: 11/1/2016

Required Date: 11/7/2016

Start Qty: 2.00

Required Qty: 2.00

NAS1149D0463J

Purchased

No

110

Each

3,929.000

12

24

NOV 29 2016

NAS1149D0463.J

Washer

DAS
28
9-89
DAS
26
9-89

DAS
17
9-89
DAS
27
9-89

Location

Loc Qty

Loc Code

cnc	200	
M135671	200	
GA	103	
M134508	32	
M135056	71	
ST260a	1600	
M136044	1600	
ST263	2026	
M135530	30	
M135671	1	
M135767	995	
M135948	1000	

24X

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause			FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence
Past Expiry Date	☐	Manufacturing Process	☐	OTHER :						
Misidentified	☐	Past Due	☐							

Work Order ID 152987***152987***

Page 1

Item ID: D412-760-015

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Cabin Floor Protector

Start Date: 11/1/2016 Start Qty: 2.00

2

Cust Item ID:

Required Date: 11/7/2016 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
IIN-D412-760	G

100

Document Control

0.00

100

DOCUMENT CONTROL

DC

Memo

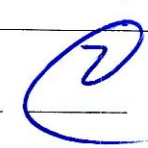
0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP D412-760-015 CHG002

DAS
21
9-89

NOV 2 R 2016



110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.01

Quality Control

5.0 PARTS LIST

Qty -011	Qty -013	Qty -015	Qty -017	Qty -019	Part Number	Description
X					D412-760-011	CABIN FLOOR PROTECTOR KIT
	X				D412-760-013	CABIN FLOOR PROTECTOR KIT
		X			D412-760-015	CABIN FLOOR PROTECTOR KIT
			X		D412-760-017	CABIN FLOOR PROTECTOR KIT
				X	D412-760-019	CABIN FLOOR PROTECTOR KIT
1					D3574-1	CABIN FLOOR PROTECTOR
1					D3574-2	CABIN FLOOR PROTECTOR
	1				D3574-3	CABIN FLOOR PROTECTOR
	1				D3574-4	CABIN FLOOR PROTECTOR
		1			D3574-5	CABIN FLOOR PROTECTOR
		1			D3574-6	CABIN FLOOR PROTECTOR
1					D3575-1	CABIN FLOOR PROTECTOR
1					D3575-2	CABIN FLOOR PROTECTOR
	1				D3575-3	CABIN FLOOR PROTECTOR
	1				D3575-4	CABIN FLOOR PROTECTOR
		1			D3575-5	CABIN FLOOR PROTECTOR
		1			D3575-6	CABIN FLOOR PROTECTOR
6	4	6	6	6	D3580-1	JOGGLE BRACKET
			1		D3788-1	CABIN FLOOR PROTECTOR
			1		D3788-2	CABIN FLOOR PROTECTOR
			1		D3788-3	CABIN FLOOR PROTECTOR
			1		D3788-4	CABIN FLOOR PROTECTOR
14	40	14	14	10	D3628-1	CUPPED WASHER
6	8	6	6		D3628-3	CUPPED WASHER
				1	D4122-1	FLOOR PROTECTOR, FORWARD
				1	D4122-3	FLOOR PROTECTOR, AFT
28		28	28		NAS1149D0363J	WASHER (AN960JD10)
12		12	12		NAS1149D0463J	WASHER (AN960JD416)
14		14	14		MS24694S54	SCREW
6		6	6		MS24694S100	SCREW